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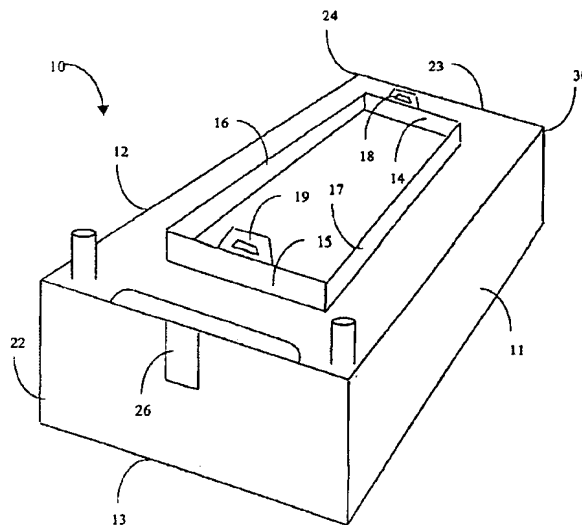
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MOULDING CONCRETE



(57) Abstract: The present invention relates to a method and apparatus for manufacturing a moulded concrete unit. It is particularly although not exclusively applicable to moulding of a concrete unit suitable for use as a section for a freestanding wall. The invention provides a method for moulding a concrete unit having an aperture, comprising the steps of pouring concrete into a mould having walls substantially perpendicular to a base of the mould, and including a plurality of aperture defining walls; removing at least one of said aperture defining walls once the concrete is partially set; and removing the unit from the mould once the concrete unit is sufficiently set to allow removal. The invention also provides for use in such a method.

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 03/02604

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 B28B7/30 B28B7/00 B28B13/04 <div style="text-align: right;">Corrected Version</div>		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 B28B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 362 854 C (IVAR ARSTAD) 2 November 1922 (1922-11-02) the whole document -----	1,3,8,9
X	GB 560 222 A (ARTHUR ETHELBERG ALLINGTON OAT;OBO CONSTRUCTION COMPANY LTD) 24 March 1944 (1944-03-24) the whole document -----	1-3,8-10
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 636 (M-1715), 5 December 1994 (1994-12-05) & JP 06 246722 A (SHINKAI KOGYO KK), 6 September 1994 (1994-09-06) abstract -----	1,8
A		2
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&amp;" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search  <div style="text-align: center;">21 October 2003</div>		Date of mailing of the international search report  <div style="text-align: center;">29. 03. 2005</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  <div style="text-align: center;">Orij, J</div>

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB 03/02604

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-3, 8-11

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Application No. PCT/ GB 03/02604

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3,8-11

Method of moulding a concrete unit having an aperture and the mould used  
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2. claims: 4-7

Lifting a concrete unit  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/02604

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 362854	C	02-11-1922	NONE
GB 560222	A	24-03-1944	NONE
JP 06246722	A	06-09-1994	JP 2059881 C 10-06-1996
		JP 7090535 B	04-10-1995